

NOTE.—14", 15", and 16" pipe are named by their outside diameter. See columns A and B.

These data sheets are intended to be cut into four sections, 6 x 9 inches in size. They may then be bound into note-book form for convenient reference, by means of staples inserted in holes punched at the points indicated. A suitable binder for these data sheets will be supplied for 25 cents, which has an open back and will hold an indefinite number of 6 x 9 sheets, depending on the length of staples used.

DIMENSIONS OF PIPE FLANGES FOR WROUGHT IRON PIPE.

For 100 Pounds Pressure.						For 200 Pounds Pressure.								
N	O	P	Q	R	S	A	B	C	N	O	P	Q	R	S
3½	1.40	.54	.62	4- ³ / ₈	2¼	½	.84	14	4	1.60	.66	.78	4-½	2½
4	1.67	.57	.65	4- ³ / ₈	3⅛	³ / ₈	1.05	14	4½	1.89	.69	.82	4-½	3⅛
4½	2.00	.60	.68	4- ³ / ₈	3½	1	1.32	11½	5	2.24	.72	.88	4-½	3½
5	2.40	.63	.71	4- ¹ / ₈	4	1½	1.66	11½	5½	2.66	.75	.94	4- ⁵ / ₈	4½
5½	2.70	.66	.75	4- ¹ / ₈	4½	1½	1.90	11½	6	2.98	.78	1.00	4- ⁵ / ₈	4½
6	3.24	.69	.81	4- ¹ / ₈	4¾	2	2.38	11½	6½	3.54	.81	1.06	4- ⁵ / ₈	5
7	3.80	.69	.94	4- ¹ / ₈	5½	2½	2.88	8	7½	4.12	.84	1.31	4-¾	5½
7½	4.48	.72	.97	4- ¹ / ₈	6	3	3.50	8	8¼	4.82	.90	1.34	8- ⁵ / ₈	6½
8½	5.04	.76	1.00	4- ¹ / ₈	7	3½	4.00	8	9	5.40	.97	1.37	8- ⁵ / ₈	7¼
9	5.60	.79	1.06	4- ⁵ / ₈	7½	4	4.50	8	10	5.98	1.03	1.43	8-¾	7½
9½	6.16	.81	1.13	8- ⁵ / ₈	7¾	4½	5.00	8	10½	6.56	1.07	1.50	8-¾	8½
10	6.78	.84	1.19	8- ⁵ / ₈	8½	5	5.56	8	11	7.20	1.14	1.56	8-¾	9½
11	7.98	.90	1.31	8- ⁵ / ₈	9½	6	6.63	8	12½	8.35	1.25	1.68	12-¾	10½
12½	9.01	.97	1.44	8- ⁵ / ₈	10¾	7	7.63	8	14	9.43	1.37	1.81	12-¾	11½
13½	10.09	1.02	1.56	8- ⁵ / ₈	11¾	8	8.63	8	15	10.51	1.49	1.93	12-¾	13
15	11.13	1.07	1.63	12- ⁵ / ₈	13¼	9	9.69	8	16	11.65	1.59	2.00	12-¾	14
16	12.37	1.14	1.69	12-¾	14¼	10	10.75	8	17½	12.79	1.75	2.06	16-¾	15½
17½	13.45	1.16	1.75	12-¾	15½	11	11.75	8	18¾	13.87	1.85	2.12	16-¾	16½
19	14.63	1.19	1.81	12-¾	17	12	12.75	8	20	14.95	1.95	2.18	16-¾	17½
21	15.96	1.37	1.94	12-¾	18¾	14	14.00	8	22½	16.34	2.19	2.31	20-¾	20
22¼	17.16	1.42	2.06	16-¾	20	15	15.00	8	23½	17.42	2.30	2.43	20-1	21
23½	18.32	1.49	2.19	16-¾	21¼	16	16.00	8	25	18.50	2.40	2.63	20-1	22¼

NOTE.—14", 15", and 16" pipe are named by their outside diameter. See columns A and B.

Good Practice.

Supplement to MACHINERY, June, 1905.

DIMENSIONS OF CAST IRON FITTINGS FOR WROUGHT IRON PIPE.

To withstand 200 pounds to the square inch.

A	B	C	D	E	F	G	H	I	J	K	L	M
$\frac{1}{8}$	.41	27	.14	.71	.95	.76	.66	.59	1.17	1.82	.38	.31
$\frac{1}{4}$	.54	18	.16	.86	1.14	.91	.78	.69	1.44	2.22	.47	.40
$\frac{3}{8}$	.68	18	.18	1.05	1.35	1.06	.89	.79	1.70	2.59	.54	.49
$\frac{1}{2}$	.84	14	.20	1.28	1.60	1.24	1.03	.90	2.03	3.06	.64	.57
$\frac{3}{4}$	1.05	14	.22	1.54	1.93	1.44	1.18	1.02	2.42	3.66	.70	.66
1	1.32	11 $\frac{1}{2}$	.25	1.90	2.30	1.70	1.37	1.17	2.92	4.29	.82	.75
1 $\frac{1}{2}$	1.66	11 $\frac{1}{2}$	.28	2.29	2.77	1.99	1.58	1.33	3.51	5.09	.87	.84
1 $\frac{3}{4}$	1.90	11 $\frac{1}{2}$	.30	2.56	3.11	2.17	1.70	1.41	3.90	5.60	1.00	.91
2	2.38	11 $\frac{1}{2}$	.33	3.07	3.69	2.59	2.00	1.64	4.75	6.75	1.06	1.03
2 $\frac{1}{2}$	2.88	8	.36	3.68	4.31	2.96	2.24	1.81	5.55	7.79	1.31	1.14
3	3.50	8	.39	4.30	5.04	3.33	2.46	1.93	6.46	8.92	1.34	1.25
3 $\frac{1}{2}$	4.00	8	.44	5.02	5.71	3.75	2.75	2.15	7.31	10.06	1.37	1.36
4	4.50	8	.48	5.62	6.37	4.11	2.99	2.31	8.32	11.31	1.43	1.48
4 $\frac{1}{2}$	5.00	8	.53	6.24	7.03	4.49	3.24	2.49	8.94	12.18	1.50	1.59
5	5.56	8	.57	6.80	7.76	4.85	3.46	2.63	9.77	12.63	1.56	1.70
6	6.63	8	.63	8.08	8.98	5.53	3.89	2.89	11.33	15.22	1.68	1.81
7	7.63	8	.69	9.20	10.14	6.16	4.25	3.10	12.89	17.14	1.81	1.93
8	8.63	8	.75	10.32	11.30	6.80	4.64	3.34	14.89	19.03	1.93	2.04
9	9.69	8	.81	11.40	12.52	7.41	4.99	3.53	15.91	20.90	2.00	2.15
10	10.75	8	.87	12.69	13.78	8.13	5.44	3.83	17.55	22.99	2.06	2.26
11	11.75	8	.95	13.35	14.98	8.78	5.84	4.08	19.20	25.04	2.12	2.38
12	12.75	8	1.03	14.95	16.18	9.42	6.23	4.32	20.68	26.91	2.18	2.50
14	14.00	8	1.11	16.32	17.63	10.28	6.78	4.68	22.51	29.29	2.31	2.62
15	15.00	8	1.20	17.46	18.83	10.94	7.19	4.94	24.05	31.24	2.43	2.75
16	16.00	8	1.29	18.60	20.04	11.58	7.58	5.18	25.54	33.12	2.63	2.88

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